



Laboratory Equipment Manufacturer
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INSTRUCTION MANUAL FOR

Colony Counter

CLC-570



PLEASE READ THIS MANUAL CAREFULLY BEFORE OPERATION

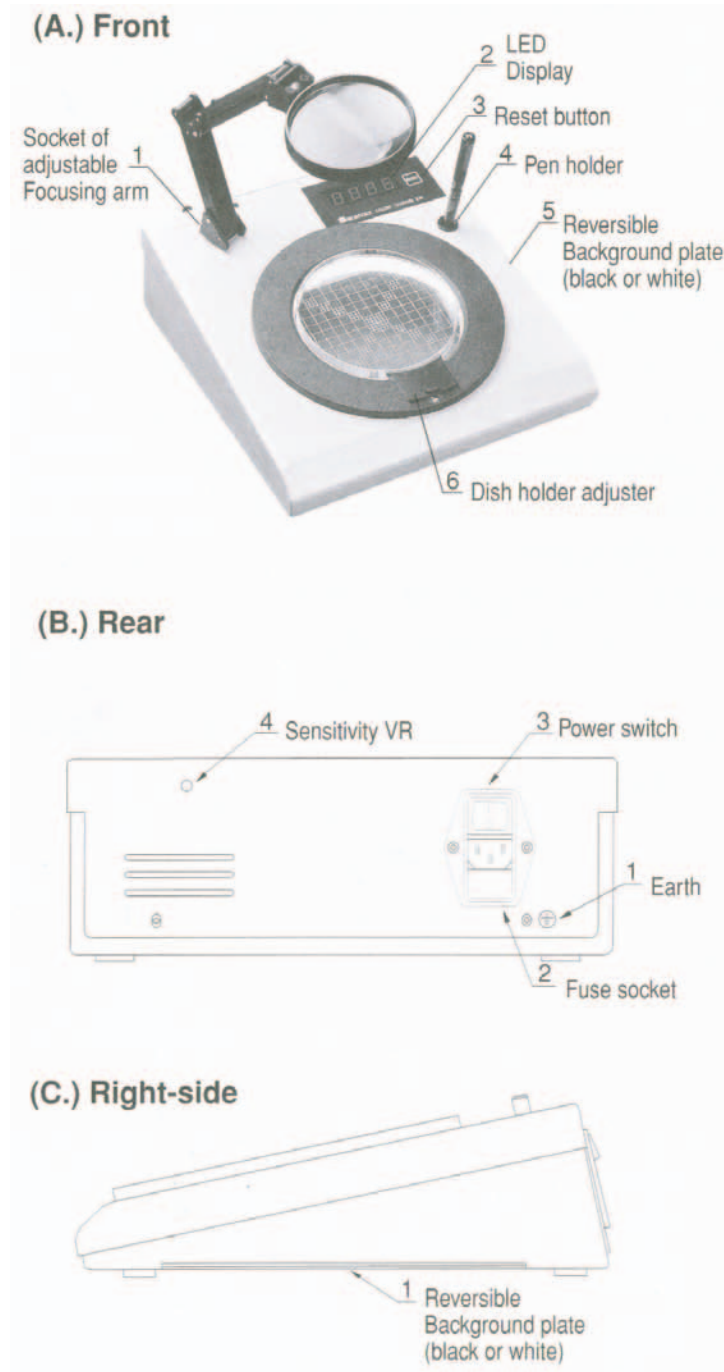
3, Hagavish st. Israel 58817 Tel: 972 3 5595252, Fax: 972 3 5594529 mrc@mrclab.com

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A. INTRODUCTION

570 Colony Counter has been designed with the most advanced integrated circuit suitable for accurate counting. It is equipped with the latest ring-shaped fluorescent illuminating device for a stable, non-glare and quiet illumination, providing the user a handy and comfortable operating environment. The bright red LED display is capable of registering a maximum of 4 digits, i.e. 9999. The adjustable focusing arm enables the magnifier free rotation to any angle for easy access to petri dish. The marking pen is used for counting. A beeper signals the user every time a count is registered to assure accurate counting.

B. PANEL DESCRIPTION



C. INSTALLATION

1. Unpack the counter and put it on the desired place.
2. Check the fuse socket for correct electric capacity (120V or 230V). The white mark at the lower side of the fuse box will point toward the right capacity. To adjust the capacity, eject the fuse socket using a minus screwdriver and turn the fuse socket around.
3. Insert the adjustable focusing arm with lens into the socket at the upper left side of the counter. (see item 1 of panel description A)
4. By touching the petri dish with any kind of marking pen.
5. Back ground plate is reversible (black or white), simply just remove and insert at the desired color.
6. Insert the power plug into the electric power supply.

D. OPERATION

- Turn on the electric power to light the LED and fluorescent lamp.
- Place the petri dish on the glass surface of the counter by adjusting the dish holder.(see item 6 of panel description A)
- Select the background color, black or white.
- Adjust the focusing arm with the lens to the desired angle.
- Begin counting by touching the petri dish with any kind of marking pen.
- If the sensitivity is not ideal, adjust the sensitivity VR located in the rear of the 570 using a minus screwdriver, (see item 4 of the panel description B) Turn clockwise to increase sensitivity and turn counterclockwise to reduce sensitivity.

E. WORKING ENVIRONMENT

- Indoor use
- Temperature 5 °O 50 °C (41 °F~122 °F)
- Maximum relative humidity 80% for temperatures up to 31 °C, (87.8 °F), decreasing linearly to 50% relative humidity at 40 °C (74 °F)
- Mains supply voltage fluctuations not to exceed $\pm 10\%$ of the nominal voltage
- Transient over voltage is CAT II
- Pollution degree 2

F. MAINTENANCE AND CLEANING

- Replacement of the fluorescent lamp 1 Turn off the electric power supply.
 - 2.Remove the screws at the rear of the 570.
 - 3.Take off the power plug base and flexible fixer.
 - 4.Replace with a new SOW fluorescent lamp.
 - 5.Reassemble accordingly.
- Fuse replacement
 - 1 .Turn off the electric power supply
 - 2.Take off the fuse socket with minus screwdriver.
 - 3.Replace with a new 200mA/ 250V fuse (a spare fuse is inside the socket)
- Wipe with wet cloths or with some soft detergent if needed.

G. SPECIFICATIONS

Working temperature	5°C~ 50 °C (41°F~122°F)
Readout	4-digit with red, 0.6" LED display
Petri Dish Holder	100-150 mm with holder adjuster
Illumination	Fluorescent lamp, SOW
Zero Reset Button	Applicable
Modes of Counting	Any Marking Pen
Power	CAT II, 110-120V/220-240V, 50/60HZ, 28W (switchable)
Fuse of power	200 mA/ 250V
Dimension	30(W)X33 (D) X 10 (H) cm
Net Weight	6.5 Kgs (14.5Lbs.)

H. ACCESSORIES

- Power cord with 3 pins
- Adjustable focusing arm with magnifier
- Pen
- Dust-proof cover
- Operation manual
- Warranty card

I. SALES SERVICE AND WARRANTY

This colony counter is under warranty for one years after its deliver day. Under normal usage our company will provide free maintenance. This warranty does not cover the fluorescent light, marking pen or any other expendable. If device is damaged by natural disaster or misuse, the maintenance fee will be charged at your own cost.